NUQLEO®

Fusion

User manual

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Thank you for purchasing the Nuqleo Fusion Smart Phone. This manual guide will show you how to set up your device and use its functions. Once your phone is up and running, you can visit www.Nuqleo.com to find out more about all the great features your new mobile phone has.

1. Package contents

- Fusion Mobile Phone
- AC charger/USB sync data cable
- Li-ion 3.7 V 1000 mAh rechargeable battery
- Earphones with microphones
- Battery
- User manual

2. Safe handling of the product

- Never expose your phone to direct sunlight or excessive heat. Avoid leaving the product inside a car with the windows closed.
- Keep your phone in a dry place. Never expose this product to rain or water.
- Do not use or store your phone in dusty, dirty areas.
- Do not use harsh chemicals, soaps or detergents to clean your phone.
- Do not modify, disassemble, open, drop, crush, or puncture this product.
- Never disconnect your phone while a download or upload is in progress.
- Switch off the device in restricted areas or where the use of electronic devices is prohibited.
- To protect your hearing, make sure the volume level is not set too high when plugging the headphones.

3. Battery instructions

- Use only the battery and battery charger specified by the manufacturer.
- The battery has a limited service life so it will need replacing when it no longer holds enough charge.
- Dispose of old batteries at directed places.
- Do not throw batteries into a fire.
- Do not force the battery when installing it.
- If the battery overheats or changes color while charging it or storing it, stop using it.
- Do not expose batteries to high temperatures.
- Do not charge the battery for more than 24 hours.

4. Disposal information

Electrical and electronic products as well as batteries must not be discarded as regular household waste. As part of the company's eco-friendly approach, we encourage you to recycle and follow all applicable local waste regulations to dispose of your used devices properly.
Never dispose of batteries in a fire.

5. Getting to know your phone

1. Volume: press Up or Down	2. Earpiece	3. Front camera
4. Menu	5.Home	6. Back
7. Search	8. Strap eyelet	9. Power
10. Primary (Back) Camera	11. Earphone jack	12. USB jack
13. Flash	14. Loudspeaker	15. DC charge jack
16. Microphone		

6. Connecting to the network

In order to connect to a mobile network, you need to insert your SIM card. If your network service was activated at the time of purchase, you will automatically be connected and you will be able to start using your phone.

7. Installing the SIM card

Before using your phone for the first time, you must insert a SIM card. You need to have at least one available in order to operate on a GSM network, known as Global System for Mobile Communication.

The installation process is as follows:

1. Carefully slide down the back cover to remove it.
2. First, insert the SD card (if you have one available) in the corresponding slot on the left hand side of the compartment, making sure the contacts of the card are facing down.
3. Next, insert SIM Card 1 (top slot) in the proper position, and do the same with SIM Card 2 (bottom slot), if adding a second one on your phone.
4. Now, proceed with the battery installation by aligning the contacts on the unit with the connectors inside the compartment.
5. Finally, replace the phone cover by gently sliding it up until it locks into place.

8. Charging your phone

Insert the charger connector to the mobile phone.

- The charging image will appear indicating the battery is being charged.
- If the phone has been overused, it may take longer for the charging indicator to appear.
- You must fully charge the battery prior to using the phone for the first time. Firmly, insert the micro-USB end of the supplied charger into the I/O port on the phone, and the other end to a standard AC wall outlet or to an available USB port on your computer.
- The new battery needs to be initially charged for at least 5 hours.
- Let the battery drain completely, before recharging it to full capacity once again. After that, allow the battery to charge until the icon on the screen stops blinking.

9. Turning the phone on

1. Press and hold the **Power button**.
2. Scroll the bar down to unlock.

10. Setting up screen lock

It is possible to lock your device by choosing one of these options:

1. **Pattern:** draw a pattern to lock the screen.
2. **PIN:** set up a personal identification number to unlock the screen.
3. **Password:** enter a passphrase to unlock the screen.

Note: If you've locked your screen, you should unlock it draw an unlock pattern or enter a PIN or password to unlock.

11. Turning the phone off

1. To shut down the phone, touch **Power off** on the screen.
2. The phone will be automatically locked after the set screen timeout (15S/ 30S/ 1M/ 2M/ 10M/30M).

Note: contact the retailer or local authorized service center to unlock your phone, if you forget your phone password.

12. Using touch screen

You will operate your phone mainly by using your finger to enable icons or features.
You may need to:
Tap: touch an item on the screen with your finger.
Double tap: tap an item twice with your finger.
Drag: touch and hold an item for a moment with your finger.
Flick: scroll the screen vertically with your finger.
Press: Press and hold a button for a few seconds.
Rotate the screen: On most screens, the orientation of the screen rotates with the phone as you turn it from upright to its side and back again. You can turn this feature on and off.

13. Viewing other parts of the Home screen

- Slide your finger left or right across the home screen.
- Small dots at the lower left and right indicate which screen you're viewing.
- Touch & hold the small dots on the lower left or right of the screen to view thumbnails of the Home screen and its extensions, which you can touch to open.

Note:

- **You may touch and hold an item and when it vibrates, drag it where you want to rearrange your home screen.**
- **Do not touch the screen with wet hands, metallic or conductive objects.**

14. Using the phone's buttons

Button	Press	Press and hold
Back	Opens the previous screen you were working in. If the onscreen keyboard is open, closes the keyboard.	
Menu	Opens a menu with items that affect the current screen or application.	
Home	Opens the Home screen. If you're viewing the left or right extended home screen, opens the central home screen.	Opens the most recently used applications screen.
Search	On the home screen, opens Google search for searching your phone and the web. In many applications, opens a search box for searching within the application.	Opens Google search by voice.
Power	Turns off the screen.	Opens a menu with options for Airplane mode, for Silent mode, and for powering off the phone.
Volume Up/Down (left side)	When a call is in progress, increases or decreases the call volume. When the phone is ringing, silences the ringer. On the home screen when no call is in progress, increases or decreases the ringtone volume, or sets the phone to be silent or to vibrate instead of ringing. In other applications, it controls the volume of music, spoken directions, and other audio.	Quickly increases the ringtone volume to maximum or minimum.

15. Notification icons

The following icons indicate that you've received a notification. In addition these icons, applications you install on your phone may use their own notification icons.

	New Gmail message		3 more notifications
	New text or multimedia message		Call in progress
	Problem with text or multimedia message delivery		Call in progress using a Bluetooth® headset
	New Google Talk message		Missed call
	New voicemail		Call on hold
	Upcoming event		Call forwarding is on
	Data is syncing		Song is playing
	Problem with sign-in or sync		Uploading data
	SD card is full		Downloading data
	An open Wi-Fi network is available		Download finished
	Phone is connected via USB cable		Connected to VPN
	Phone is sharing its data connection via USB (USB tethering)		Disconnected from VPN
	Phone is sharing its data connection as a Wi-Fi hotspot (Wi-Fi tethering)		Carrier data use threshold approaching or exceeded
	Phone is tethered in multiple ways		Application update available
			System update available

16. Understanding the settings

SIM management: select SIM card 1 or SIM card 2 when booting up.
Wireless and network: configure and manage connections to networks and devices by using Wi-Fi, Bluetooth, and mobile networks.
Call settings: set advanced features such as fixed dialing numbers, voicemail box, call diverting, call barring and call cost.
Audio profiles: select audio profiles such as General, Silent, Meeting, Outdoor. Each one of these options allows you to select ringtones, vibration and volume.
Display: customize Brightness, Animation and Screen timeout.

Location: set your preferences when using wireless networks and GPS satellites.
Security: set up the screen lock, the SIM card lock, manage passwords and select device administrators.
Applications: view and manage applications from unknown sources, to quick launch applications and to control currently running services, and to set options for application development.
Account and synchronization: enable/disable Background data for applications to sync, send and receive data at any time or to enable /disable Auto-sync for applications to sync data automatically.
Privacy: backup, restore settings, an application or for a factory data reset.
Storage: see SD card total space, SD available space, mount SD card, format SD card, see Internal phone storage and see available phone space.
Language and keyboard: select the language to use for the text on your phone, enable and disable the Android keyboard, the device keyboard and the user dictionary.
Voice input and output: configure the Android voice input feature Text-to-speech. If you do not have the Voice data for speech synthesis application installed, only the Install voice data setting is available.
Accessibility: enables/disable the Power button to end a call instead of turning off screen.
Date and time: enable/disable automatic date and time settings, set date, select time zone, set time, use the 24-hour clock format and to select date format.
Schedule power on/off: set the time to turn on or off your phone.
About phone: see information about your phone such as system updates, status, battery use, legal information, model number, Android version, baseband version, kernel version and build number.

17. Managing phone calls

1. Slide the green key from left to right to answer a call.
2. Slide the red key from right to left to refuse a call.

17.1 Making a call:

Tap the **Phone** icon to go to the dialing pad:

- **Phone icon:** to see the dialing pad to enter the number manually.
- **Call log:** to choose a phone number from a received call, placed call or missed call.
- **Contacts:** to select a name and a phone number from your stored list.
- **Favorites:** to select a name and a phone number from the ones you call more often.

17.2 Understanding the Call menu

The Call menu is only visible during an active call and it will display these options:

- **Mute:** mutes the microphone on the phone and local voice is not heard on the other side of the call.
- **Speaker:** switches the call to speaker mode to amplify the voice.
- **Hold:** puts the current call on hold or retrieves the call on hold.
- **End a call:** finishes the current call.
- **Start voice recording.**
- **Turn on Bluetooth®.**
- **New call.**

Note:

1. **Contact your network service provider to verify availability of these options: Call waiting, Call diverting and Multiple-party calls.**
2. **You can make an emergency call even if**
   - **You are beyond the network coverage**
   - **You do not have roaming service**
   - **You do not have a SIM card.**

18. Contacts

You can go to contacts by:

- Touching the **Contacts** icon on the main menu.
- By touching **Contacts** on the dialing pad screen.

On the **Contacts** menu, you may:

- **Search contacts:** press the **Search** button on the upper right corner of the phone.
- **Delete a contact:** press the **Menu** button on the contacts menu followed by **Delete** contact.
- **Create a new contact:** press **Menu** followed by the **Plus** (+) sign to add a new contact.
- **Display Options:** select **Phone** contacts followed by SIM1/2 to see all the contacts on SIM cards
- **Accounts:** to synchronize your Gmail contacts, press the **Menu** button on the contacts menu, select **More** followed by **Accounts**.
- **Import/Export:** to export contacts to an external Micro SD Card or from a Micro SD Card to the phone, press the Menu button on the contacts menu, select **More** followed by **Import/Export**.

19. Messaging

19.1 Sending a message:

1. First, tap the **Messaging** icon on the home screen.
2. Tap Compose **New message>menu>Add subject**.
3. The message automatically converts to an MMS message.
4. Enter the phone number or e-mail address of the recipient in the **To** field, then type the subject in the **Subject** field.
5. To send a multimedia message, tap **Menu followed by Attach**, to add pictures or videos.
6. Tap **Send**, to transmit your multimedia message.

19.2 Sending a Voice MMS

1. First, tap the **Messaging** icon on the home screen.
2. Tap Compose new **Message>Menu>Attach>Record audio**.
3. Tap **Record** to start your message.
4. Tap **Stop** to end the recording.
5. Tap **Play** to listen to the recorded message.
6. Tap **Save** to store the recording or **Discard** to delete it. After storing the recording, you may also tap to Play, Replace and Remove the recording.

7. Enter the phone number in the **To** field. The voice message can be sent up to 20 recipients.
8. Compose your message, then tap **Menu>Add subject** followed by **Send**.

20. Setting up an Email account

1. Go to **Main Menu >Email>Others**.
2. Enter your E-mail address and Password, tap **Next**.
3. Select an account type and confirm the **Incoming server settings**.
4. The phone will automatically retrieve the e-mail settings.
5. If the e-mail settings are not found, tap **Edit** details.
6. Enter the **Account Name** and the name you want to display on the outgoing message.
7. Tap **Done**, to finish.

20.1 Composing and sending E-mails

1. On the home screen, go to **Main Menu >Email**, then tap an e-mail account.
2. Tap **Menu>Compose**.
3. In the **To** field, enter the recipient's e-mail address.
4. Enter **Subject**.
5. Compose your e-mail.
6. Tap **Send**, to transmit your email.

20.2 Adding attachments to an e-mail message

1. Press **Menu> Add attachment**.
2. Select the items to attach.
3. Tap **Send**, to transmit your email.

20.3 Receiving e-mails

1. Go to your Inbox folder since E-mails are automatically stored when your phone is connected to a wireless network.
2. Go to **Main Menu>mail** and tap an e-mail account.
3. Press **Menu>Refresh** to start receiving your emails.

20.4 Gmail, Yahoo, Hotmail or Microsoft Exchange email accounts

1. If you are using Gmail go to the **Gmai**l app directly.
2. Enter your E-mail address and Password, tap **Next**.
3. Select an account type and confirm the **Incoming server settings**.
4. An Attention screen will be prompted, tap **OK**.
5. If you are using Gmail, Yahoo, Hotmail or Microsoft Exchange email accounts, set the account name and the name you want to display on the outgoing message.
6. Tap **Done**, to finish.

21. Productivity Applications

21.1 Clock

Tap the **Clock** icon to see:

- The time.
- The alarm clock icon.

To set the **alarm**:

1. Tap the **Clock** icon followed by the **Alarm clock** icon.
2. Tap **Time** and use the Plus (+) sign and the Minus (–) sign to select the time and the minutes you want the alarm to go off. When you have finished, tap **Set**.
3. Tap **Turn alarm on** to enable/disable the alarm.
4. Tap **Repeat** and select the days you want the alarm to go off followed by **OK** when you are done.

21.2 Calculator

1. Touch the Calculator icon on the application menu.
2. To clear the latest input or result, press the **Clear** key.

21.3 Calendar

Touch the **Calendar** icon on the application menu.
The calendar allows you to:

- View your schedule and events at any time.
- View your events by day, by week or by month.
- Add events.

21.4 Weather

1. Tap the **Weather** icon followed by **Add place**.
2. You will be prompted to enter the name of the city or the zip code.
3. After you are done, tap **Go** and it will be added to your list.

21.5 ES file explorer

This feature allows you to view and manage the files stored in your phone or on the storage card.

21.6 Browsing the web

1. Tap **Browser** on the home screen.
2. Tap on the address bar.
3. Type the URL then tap **Go**.
   The browser also opens when you touch a web link, for example, in an email or text message.

22 Entertainment

22.1 Radio FM

1. Plug in your earphones since they are used as the antenna for signal search.
2. Tap **station list** to display the list of FM radio stations for you to select from.
3. Select the **Search** option to automatically scan stations and generate the list of radio stations.
4. You can press the **Loudspeaker** button to use the radio loudspeaker.
5. Tap ⏮ and ⏭ to move to another station.
6. ▶ and ⏸: Tap to broadcast and pause.

22.2 Photos

22.2.1 Taking a photo

1. Go to **Main Menu > Camera**. The screen automatically switches to landscape view.
2. Tap the Camera icon to take the shot.

22.2.2 Viewing your photos

1. Go to **Main Menu > Gallery > Camera pictures**.
2. Tap an image to view.
3. To view an image in landscape mode, hold the device horizontally.
4. To view previous/next image, tap the screen followed by the **Next** key.
5. To play images like a slideshow, press **Menu> Slideshow**.
6. To share or edit an image, press **Menu** to show options.

23 Recording a video

1. Go to **Main Menu > Camcorder** (You may also switch to camcorder on the camera application by moving the slider from camera to camcorder).
2. Tap the **Camera** icon to start and stop recording.

23.1 Playing back videos

1. Go Main **Menu>**Videos.
2. Tap the video to want to play.

Note:
When you are taking a photograph or recording a video, you may press Menu>Settings to adjust the camera or the camcorder settings.

24 Music

24.1 Transferring music files to your phone

Music plays audio files that are stored on your phone's SD card, so before you open Music, you must copy audio files from your computer onto the SD card.

24.2 Copying music files onto the phone's SD card

1. Connect the phone to your computer with a USB cable and mount the SD card.
2. To organize your audio files, you can use the computer to create a music folder.
3. Use the computer to copy music and other audio files into the folder that you created on the SD card.
4. Unmount the SD card from the computer and disconnect the phone.

24.3 Searching for music in your library

1. Open the main Library screen and press the Search button.
2. Start typing the name of the artist, album, or track you're looking for.
3. Matching songs are displayed in the list below the search box.
4. Touch a matching song to play it. Or touch a matching album or artist to view a list of associated songs.

25 Social media

Your phone also includes other social media applications like Facebook, Twitter, Yahoo messenger, eBuddy, MSN talk and Whatsapp to connect with your friends, chat live and send messages. In order to use them, you need to set up your own account and password.

26 Connectivity

Go to **Applications** and tap **Wireless and networks**.

1. **Wi-Fi:** Check to turn on Wi-Fi so you can connect to Wi-Fi networks. When connected to a network, it displays the network's name.
2. **Network notification:** Check to receive a notification when an open Wi-Fi network becomes available.
3. **Wi-Fi networks:** Displays a list of Wi-Fi networks you've previously configured and those detected when the phone last scanned for Wi-Fi networks.
4. **Add Wi-Fi network:** Opens a dialog where you can add a Wi-Fi network by entering its SSID (the name it broadcasts) and security type.

26.1 Bluetooth®

Bluetooth® is a short-range wireless communications technology that devices can use to exchange information over a distance of about 8 meters. The most common Bluetooth® devices are headphones for making calls or listening to music, hands-free kits for cars, and other portable devices, including laptops, keyboards and cell phones.

26.2 Pair your phone with a Bluetooth® device

You must pair your phone with a device before you can connect to it. Once you pair your phone with a device, they stay paired unless you unpair them.

1. Press **Home**, press **Menu**, and touch **Settings** to open the settings application.
2. Touch **Wireless & networks > Bluetooth® settings**.
3. If Bluetooth® isn't turned on, check **Bluetooth®** to turn it on.
4. Your phone scans for and displays the IDs of all available Bluetooth® devices in range.
5. If the device you want to pair with isn't in the list, make it discoverable.

26.3 Disconnect from a Bluetooth® device

1. Touch the device in the Bluetooth® settings screen.
2. Touch **OK** to confirm that you want to disconnect.

26.4 Unpair a Bluetooth® device

1. You can unpair a Bluetooth® device to erase all pairing information about it.
2. Touch & hold the device in the Bluetooth® settings screen.
3. Touch **Unpair** or **Disconnect & unpair** in the menu that opens.

Note:
See the documentation that came with your device to learn how to make it discoverable by your phone, and for other instructions for pairing.

27 USB Tethering

Check to share your phone's mobile network data connection with your computer, via a USB connection, called USB tethering. You can also share your phone's data connection with up to eight devices at once, by turning your phone into a portable Wi-Fi hotspot. (Not all carriers and phones support these features.)
When your phone is sharing its data connection, an icon appears in the status bar and as an ongoing notification in the notifications panel.

28 VPN Settings

28.1 Connecting to virtual private networks

Virtual private networks (VPNs) allow you to connect to the resources inside a secured local network, from outside that network.
To configure VPN access from your phone, you must obtain the details from your network administrator.

28.2 Add a VPN

1. Press **Home, Menu**, and touch **Settings**, to open the settings application.
2. Touch **Wireless & networks > VPN settings**.
3. Touch **Add VPN**.
4. Touch the type of VPN to add.
5. In the screen that opens, follow the instructions from your network administrator to configure each component of the VPN settings.
6. Press **Menu** and touch **Save**.
7. The VPN is added to the list on the VPN settings screen.

28.3 Connecting to a VPN

1. Tap the **Settings** application to open it.
2. Tap **Wireless and Networks >VPN settings**.
3. The added VPN networks will be shown on the VPN Settings screen.
4. Tap the VPN network you want to connect to.
5. Enter the information needed in the box and tap **Connect**.
6. When you are connected to a VPN network, you will receive a notification on the status bar.

28.4 Edit a VPN

1. Open the **Settings** application.
2. Touch **Wireless & networks > VPN settings**.
3. The VPNs you've added are listed on the VPN settings screen.
4. Touch & hold the VPN whose settings you want to edit.
5. In the dialog that opens, touch **Edit network**.
6. Edit the VPN settings you want.
7. Press **Menu** and touch **Save**.

28.5 Delete a VPN

1. Open the **Settings** application.
2. Touch **Wireless & networks > VPN settings**.
3. The VPNs you've added are listed on the VPN settings screen.
4. Touch & hold the **VPN** you want to delete.
5. In the dialog that opens, touch **Delete network**.
6. Touch **OK** in the dialog that asks you to confirm you want to delete the VPN.

29 Airplane mode

Some locations may require you to turn off your mobile phone, Wi-Fi, and Bluetooth® wireless connections. You can turn off all of them at once by placing your phone in **Airplane mode**.

1. Press & hold the **Power** button
2. Touch **Airplane mode**.

Note:
You can also use the settings application to turn Airplane mode on and off.

30 Appendix 1

Trouble shooting checklist

1. You phone has poor reception

- You may be in an area near tall buildings or basements.
- There might be a lot of network congestion in that area.
- The area is not covered by your service provider.

2. You are unable to charge your device

- Replace the battery.
- Your phone may be consuming a lot of battery power and reducing standby time.
- Turn off the phone temporarily.

3. You are unable to turn on the phone

- Charge or replace the battery.

4. SIM card error

- The SIM card may be damaged.
- Ensure the SIM card is properly installed.
- Wipe the face of the SIM card with a clean cloth.

5. You are unable to connect to the network

- The SIM card is invalid. Contact your network service provider.
- You may be in an area beyond GSM coverage.

6. You are unable to make a call

- Verify if the call barring feature or fixed dialing number feature is enabled, if so, cancel it.

7. You are unable to add contacts to your phonebook

- The store space of the phonebook has been used up.

31 Appendix 2
Specifications

Size and weight	Height	114 mm
	Width	63 mm
	Depth	12 mm
	Weight	120 g approx. (with battery)
Technology /Platform	Single USB Jack	Data/charging
	Network	Tri-band HSPA 3G (850/1900/2100MHz) Quad-band GSM 2G(850/900/1800/1900MHz)
	Phone type	Smart
	Operating system	Android™ 2.3
	SIM	Dual SIM card capability
	~~CPU~~	~~MTK6573 (ARM11, 650MHz)~~
Memory	Internal	4 Gb (512 MB) ROM, 2 Gb (256 MB) RAM
	Expandable	Supports up to 32 GB with micro SD card slot
Display	Type	Capacitive touchscreen
	Size	3.5 inches
	Resolution	High resolution color HVGA, 320x480 pixels
Entertainment	Radio	Yes
	TV	Yes
	GPS	Integrated mapping and navigation tool
	Video and audio player	MP3, MIDI, MP4, WAV, AMR, 3GP, RMVB, eAAC+ and AVI formats
	Vibrate alert	Yes
	Messaging	SMS, MMS, Push Email, IM
	Browser	WAP 2.0/xHTML, HTML with GPRS, EDGE and HSPA, for optimum data transfers and reliable internet connection
Camera	Videocamera, plus dual integrated camera	with flash and zoom (Front 0.3 MP/ Back 3.0 MP)
Connectivity	Wi-Fi	802.11 b/g and 3G Mi-Fi hotspot
	Bluetooth®	Version 2.0 with A2DP
	Flight mode	Yes
	Keypad	Physical QWERTY plus touchscreen
	USB Tethering	Yes
Sound	Alert types	MP3 tones
	Speakerphone	Yes
	Earphone jack	3.5 mm audio jack
Battery*	Type and capacity	Li-ion battery, 3.7 V 1000 mAh
	Standby time	Up to 9 days
	Talk time	Up to 4 hours
Other	Warranty	Yes
	Languages	Multilingual: English, Spanish, French and Portuguese
	Certifications	FCC

* *Please note duration times vary depending on usage patterns and conditions. Battery power consumption depends on factors, such as network configuration, signal strength, operating temperature, features selected; vibrate mode, backlight settings, browser use, frequency of calls, and voice, data, and other application usage patterns.*

Specifications subject to change without notice.

32 Appendix 3

FCC RF EXPOSURE INFORMATION

WARNING! Read this information before using your phone

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 1.5cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 1.5cm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.
For more information about RF exposure, please visit the FCC website at www.fcc.gov
Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:
<ANSIC95.1> (1992) / <NCRP Report 86> (1986) / <ICIMIRP> (1996).
Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your phone (such as an earpiece or headset) to avoid potential exposure to RF energy. The design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

NORMAL POSITION

Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

RF Exposure Information

FCC RF Exposure requirements: The highest SAR value reported under this standard during product certification for use next to the body with the minimum separation distance of 1.5cm is **0.789W/kg**, next to the head is **0.795 W/kg**. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Do not use the device in an environment with ambient temperatures below -10°C or a maximum of 50 °C since the device may not work.
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

33 Appendix 4

Copyright statement

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